

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
 Data File : VN059570.D
 Acq On : 12 Dec 2019 13:18
 Operator : JC/SP
 Sample : VN1212WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBL01

Quant Time: Dec 13 04:03:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	248194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	399331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	357686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	178335	51.41	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.57	113	125293	52.58	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	493842	50.76	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	163854	45.50	ug/l	0.00
Spiked Amount						

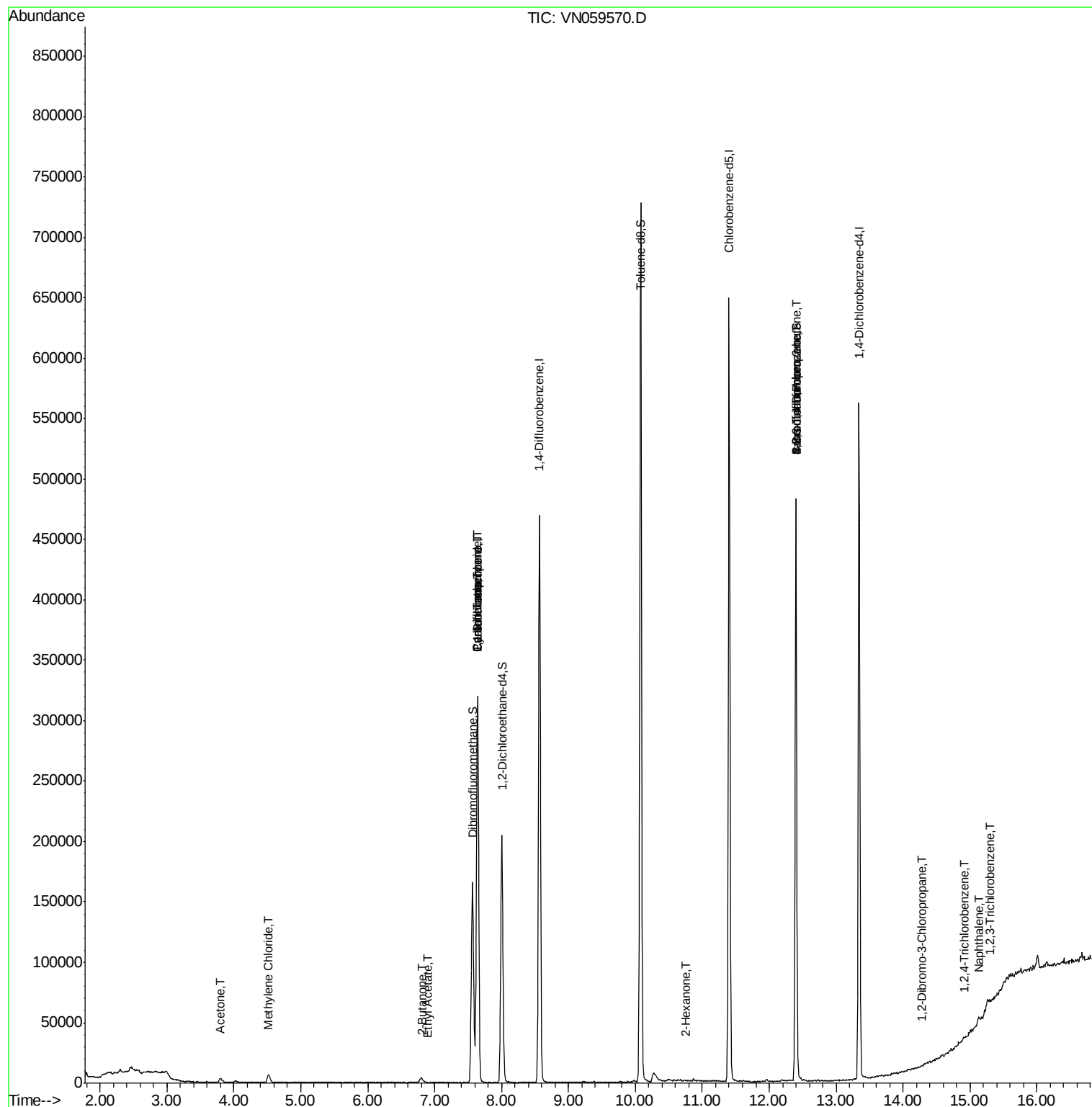
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	5815	3.589	ug/l	91
17) Carbon Disulfide	4.03	76	2531	Below Cal	#	74
20) Methylene Chloride	4.51	84	1815	0.350	ug/l	95
25) 2-Butanone	6.83	43	1541	0.707	ug/l #	50
31) Cyclohexane	7.63	56	6139	1.174	ug/l #	12
36) 1,1-Dichloropropene	7.64	75	20014	4.885	ug/l #	51
37) Ethyl Acetate	6.89	43	95	1.557	ug/l #	69
38) Carbon Tetrachloride	7.64	117	25715	6.368	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	932	Below Cal	#	87
59) 2-Hexanone	10.75	43	258	2.289	ug/l #	44
71) Bromoform	12.40	173	1171	0.532	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	86188	23.582	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	86188	63.447	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.28	75	128	2.228	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	690	0.216	ug/l	96
95) Naphthalene	15.13	128	2896	0.310	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.29	180	951	2.701	ug/l #	81

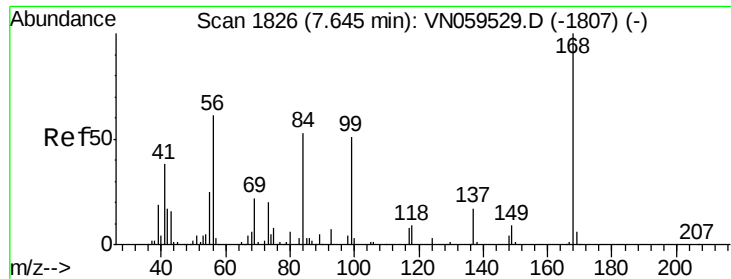
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
Data File : VN059570.D
Acq On : 12 Dec 2019 13:18
Operator : JC/SP
Sample : VN1212WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBL01

Quant Time: Dec 13 04:03:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

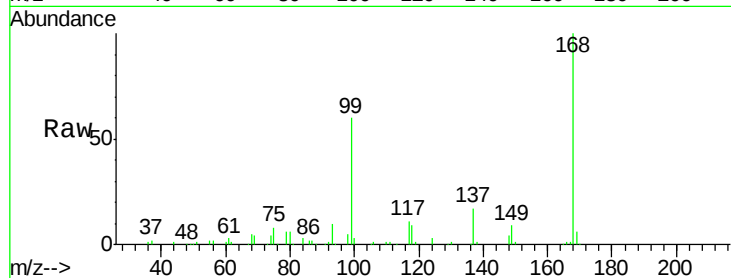
VN1212WBL01

Tgt Ion:168 Resp: 248194

Ion Ratio Lower Upper

168 100

99 60.2 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

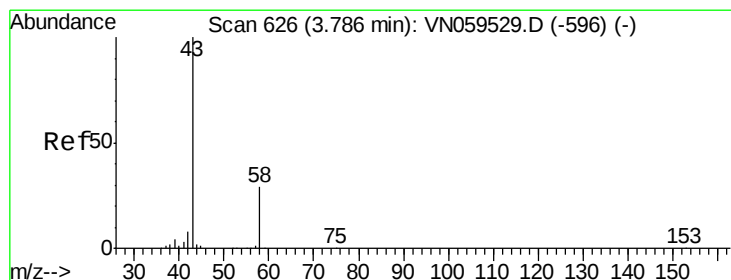
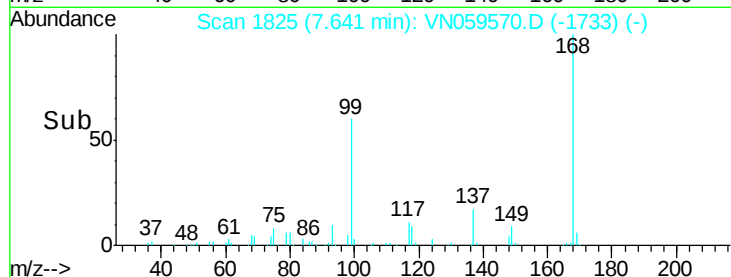
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 3.589 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059570.D

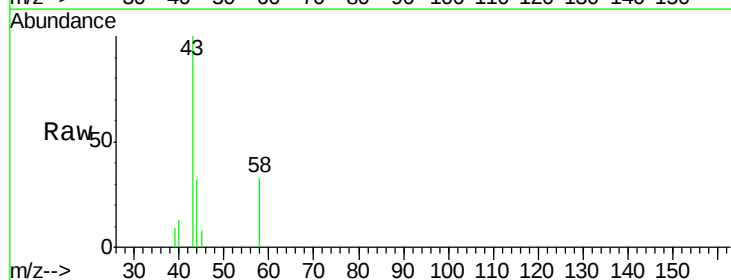
Acq: 12 Dec 2019 13:18

Tgt Ion: 43 Resp: 5815

Ion Ratio Lower Upper

43 100

58 33.5 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

2000

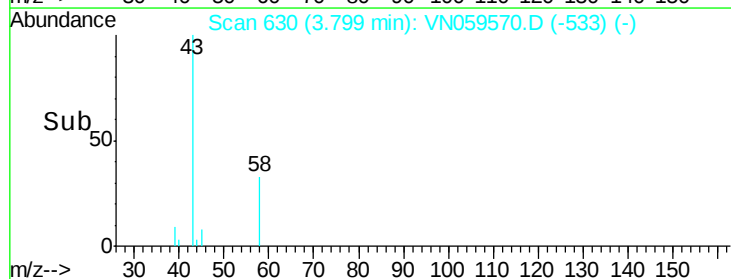
1500

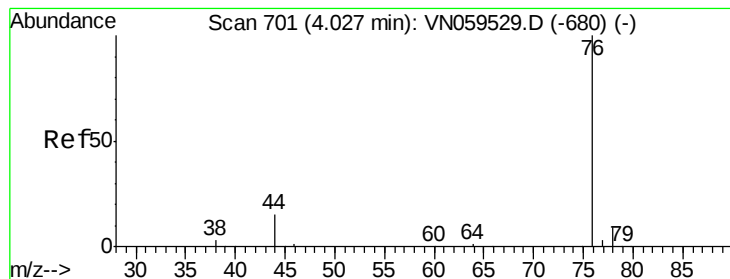
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

Instrument :

MSVOA_N

ClientSampled :

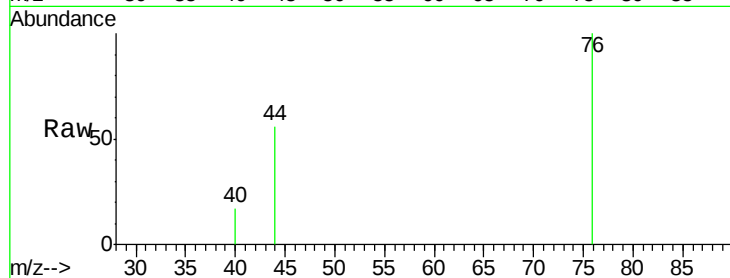
VN1212WBL01

Tgt Ion: 76 Resp: 2531

Ion Ratio Lower Upper

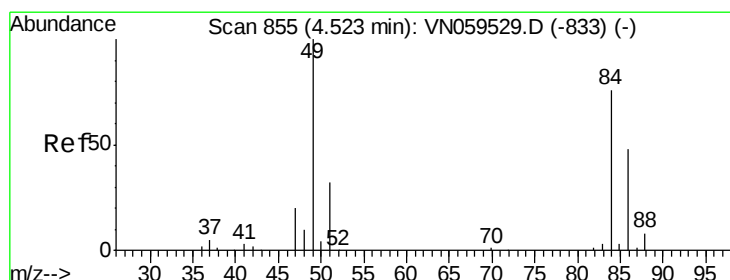
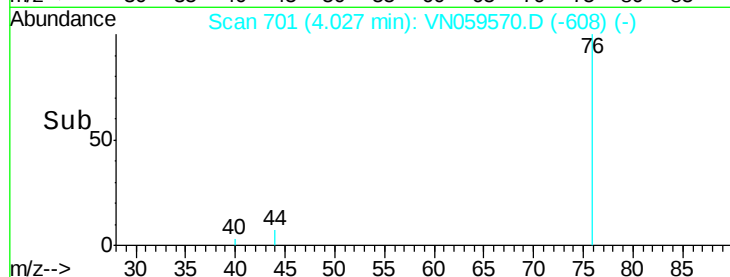
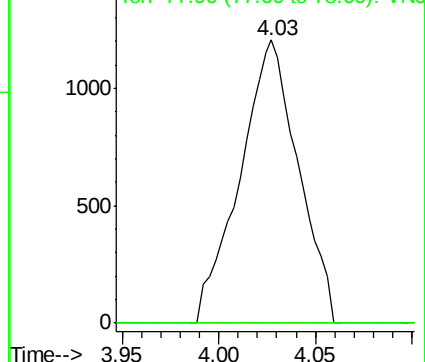
76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#20

Methylene Chloride

Concen: 0.350 ug/l

RT: 4.51 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

Tgt Ion: 84 Resp: 1815

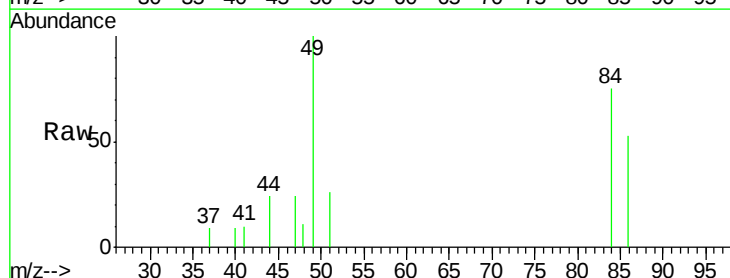
Ion Ratio Lower Upper

84 100

49 133.9 105.8 158.8

51 35.3 33.7 50.5

86 71.3 51.0 76.4

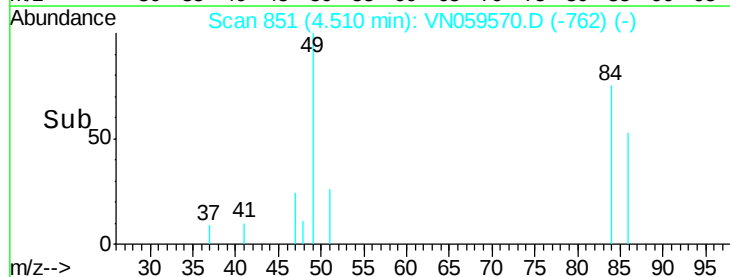
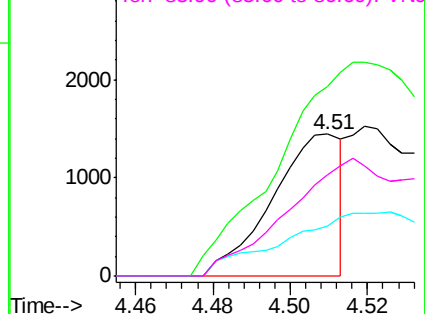


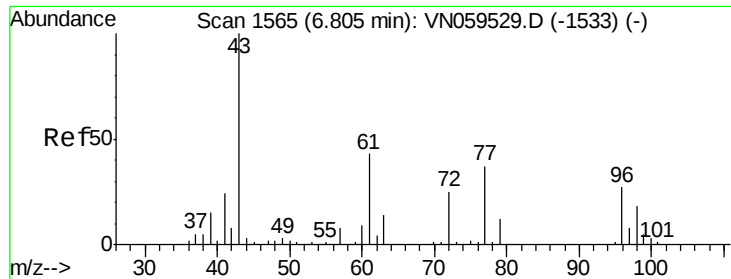
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

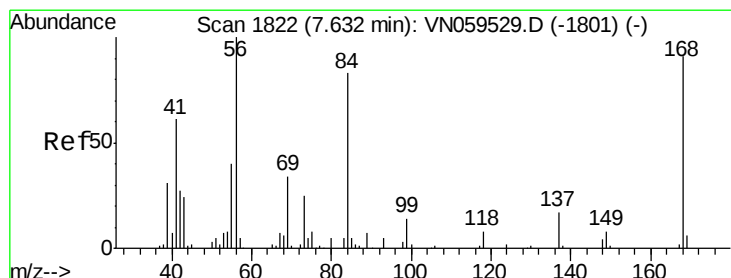
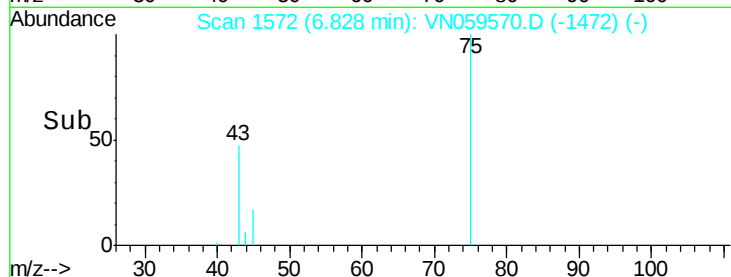
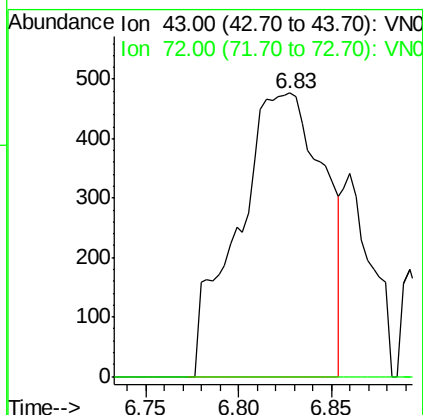
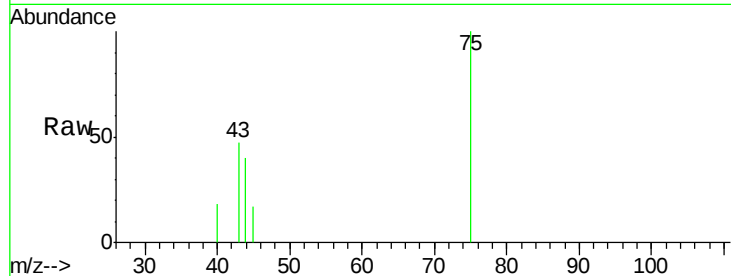




#25
2-Butanone
Concen: 0.707 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

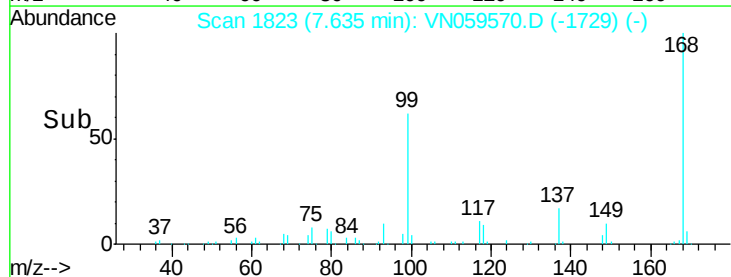
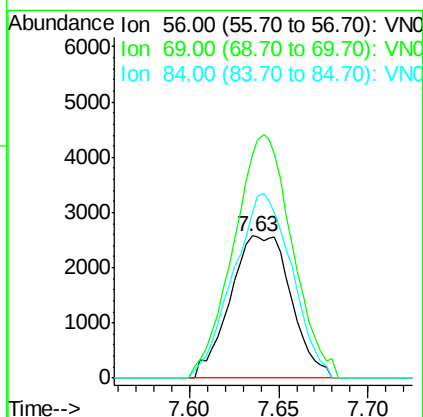
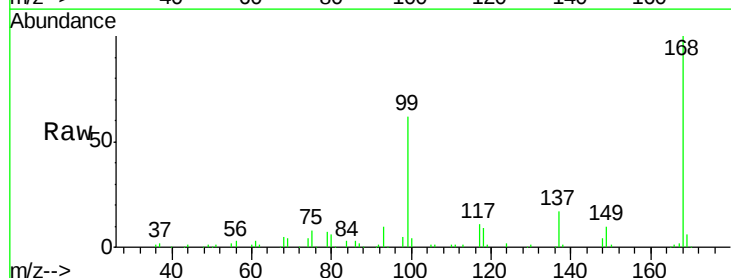
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBL01

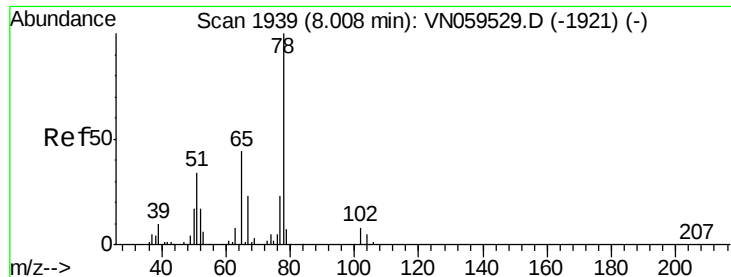
Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

Tgt Ion: 56 Resp: 6139
Ion Ratio Lower Upper
56 100
69 156.5 26.9 40.3#
84 115.9 66.5 99.7#

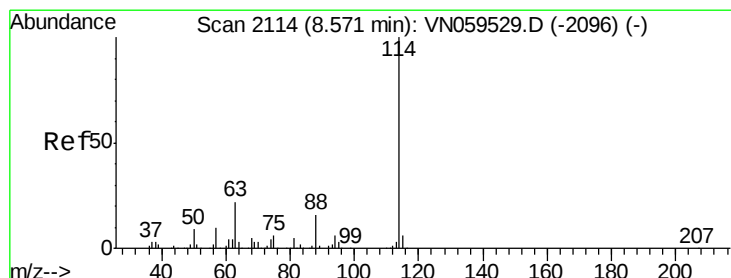
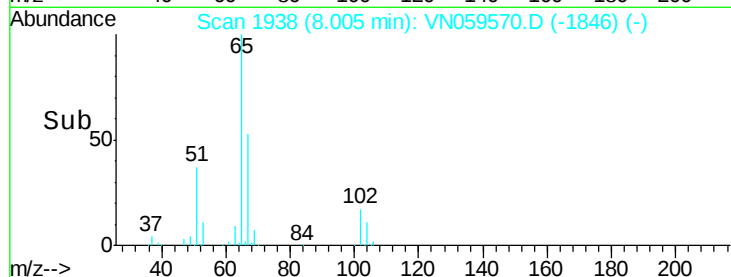
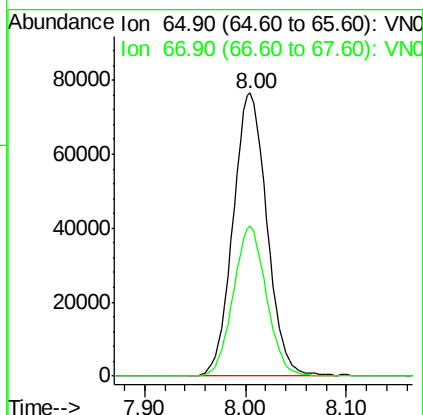
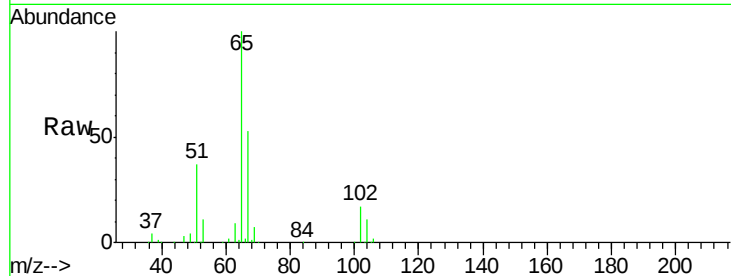




#33
 1,2-Dichloroethane-d4
 Concen: 51.411 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059570.D
 Acq: 12 Dec 2019 13:18

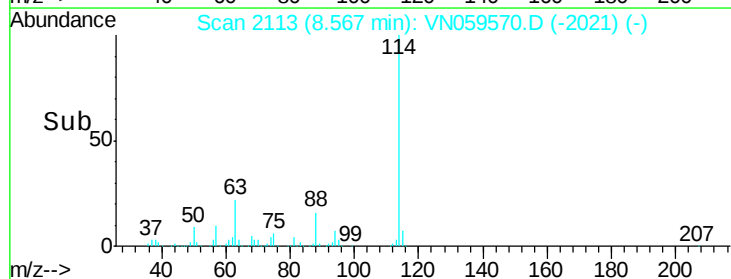
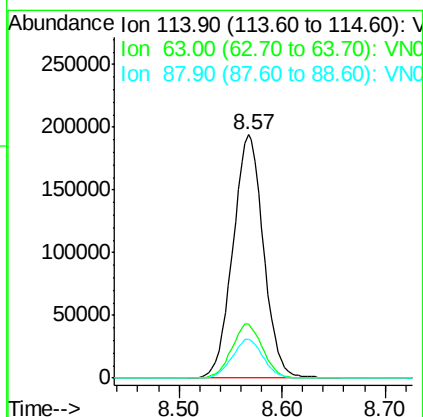
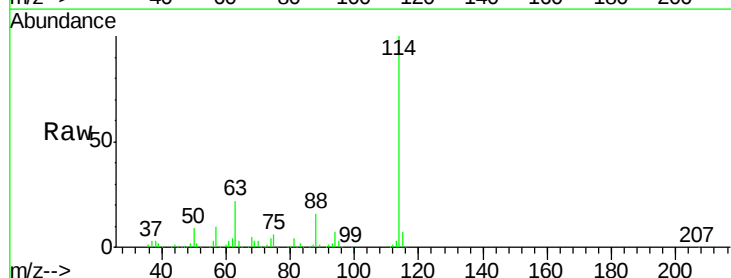
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBL01

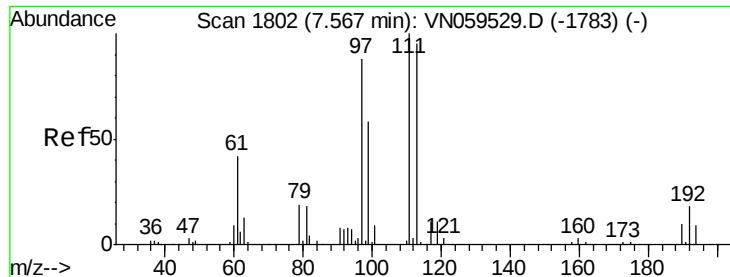
Tgt Ion: 65 Resp: 178335
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059570.D
 Acq: 12 Dec 2019 13:18

Tgt Ion: 114 Resp: 399331
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 16.0 0.0 32.2

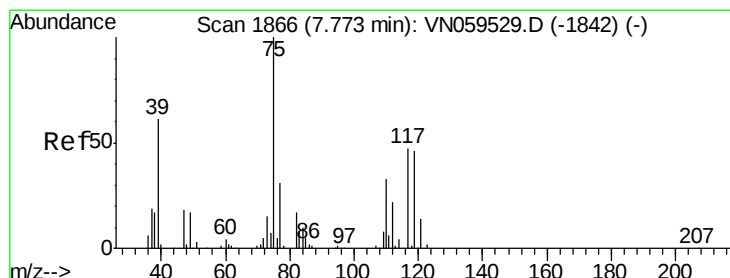
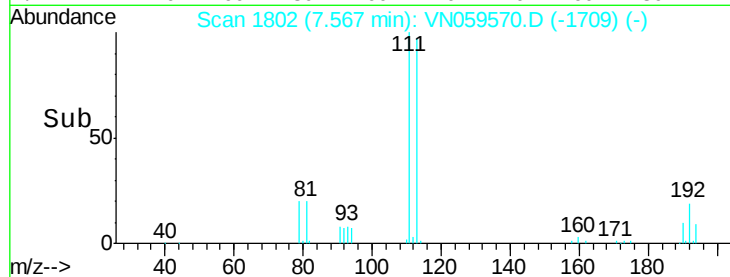
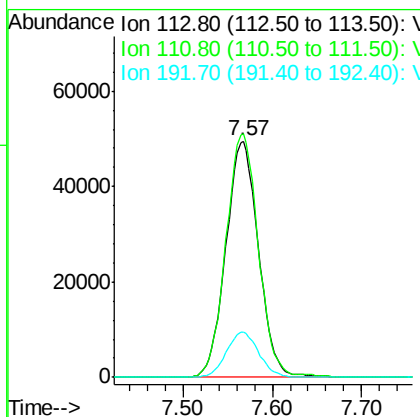
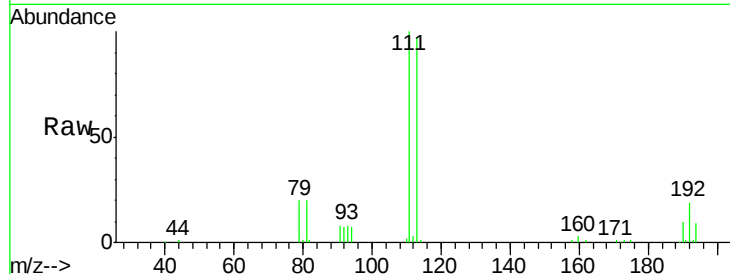




#35
 Dibromofluoromethane
 Concen: 52.578 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059570.D
 Acq: 12 Dec 2019 13:18

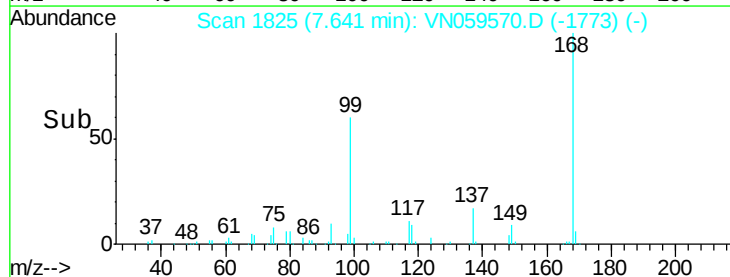
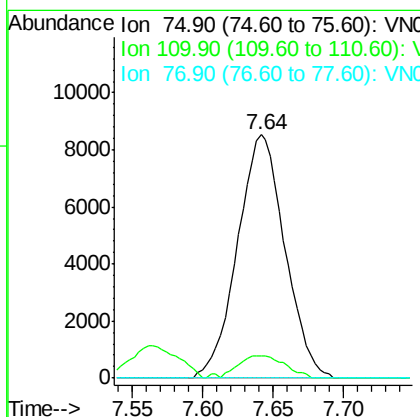
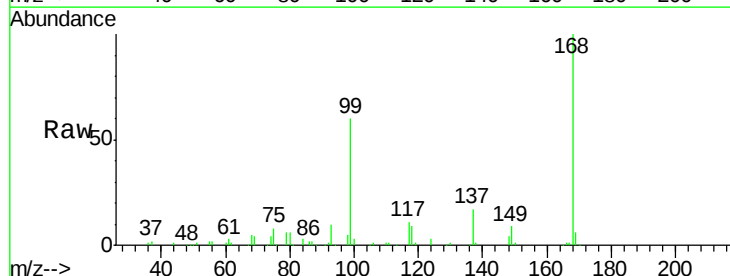
Instrument :
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 ClientSampleId :
 VN1212WBL01

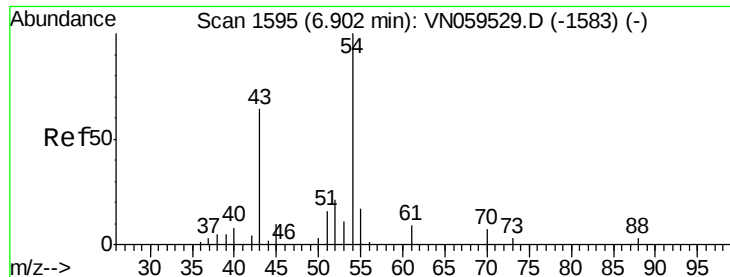
Tgt Ion:113 Resp: 125293
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 18.9 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.885 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059570.D
 Acq: 12 Dec 2019 13:18

Tgt Ion: 75 Resp: 20014
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.7 50.0#
 77 0.0 24.6 37.0#

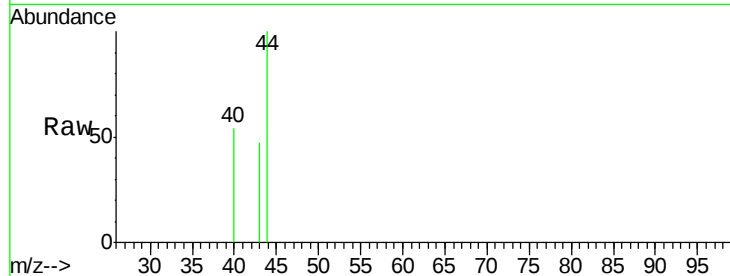




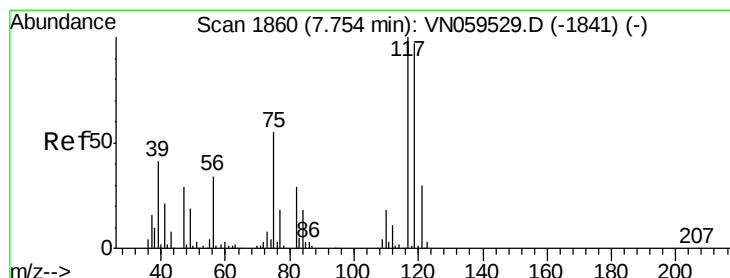
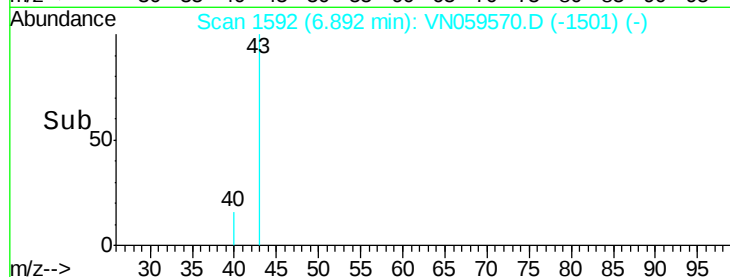
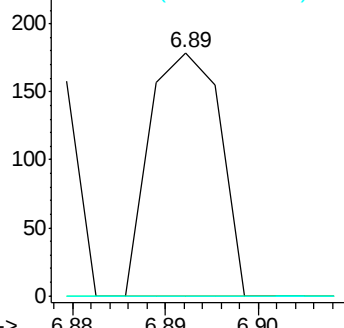
#37
Ethyl Acetate
Concen: 1.557 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.01 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBL01

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 7.7 11.5#

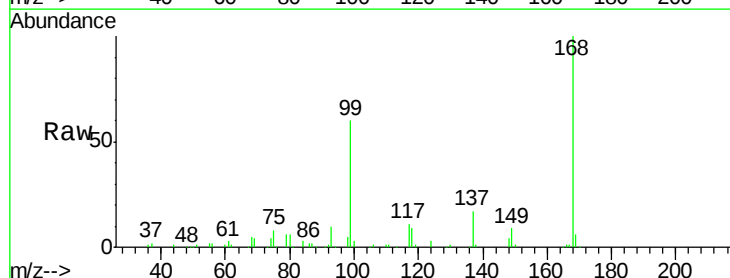


Abundance Ion 43.00 (42.70 to 43.70): VN059570.D
Ion 60.90 (60.60 to 61.60): VN059570.D
Ion 70.00 (69.70 to 70.70): VN059570.D

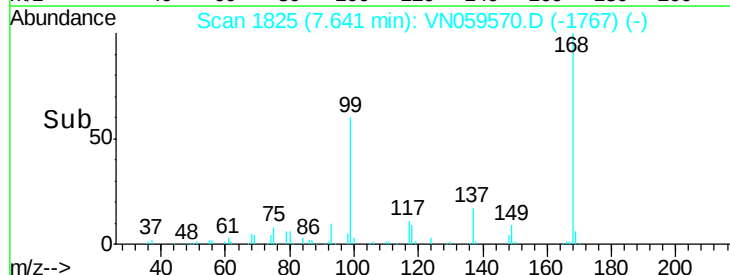
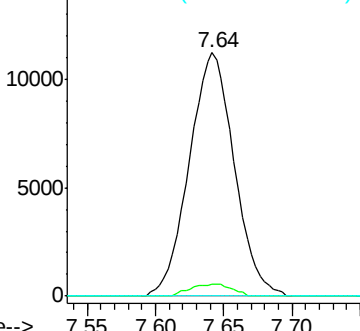


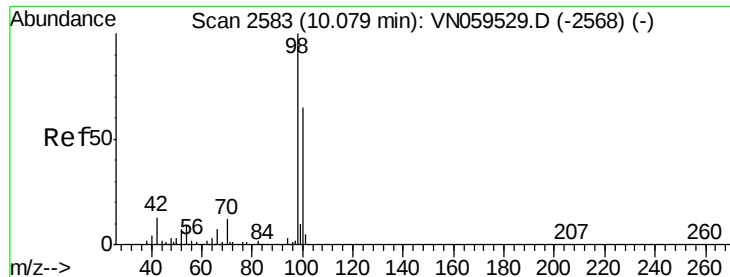
#38
Carbon Tetrachloride
Concen: 6.368 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

Tgt Ion: 117 Resp: 25715
Ion Ratio Lower Upper
117 100
119 4.8 77.0 115.4#
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): VN059570.D
Ion 118.80 (118.50 to 119.50): VN059570.D
Ion 120.80 (120.50 to 121.50): VN059570.D





#50

Toluene-d8

Concen: 50.761 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

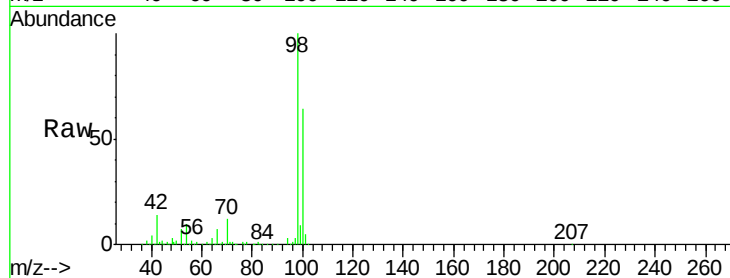
VN1212WBL01

Tgt Ion: 98 Resp: 493842

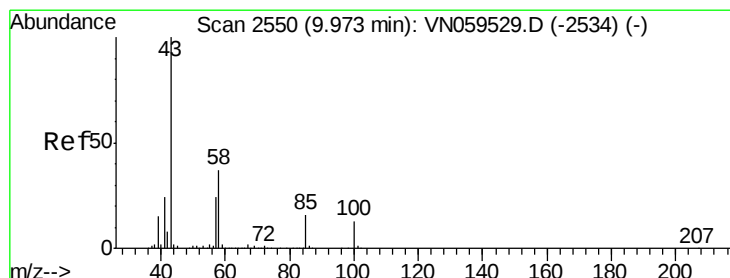
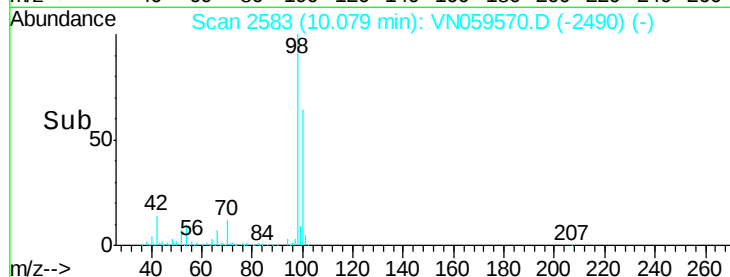
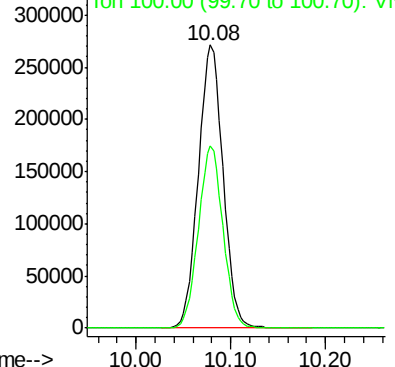
Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN059529.D (-2568) (-)



#51

4-Methyl-2-Pentanone

Concen: Below Cal

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059570.D

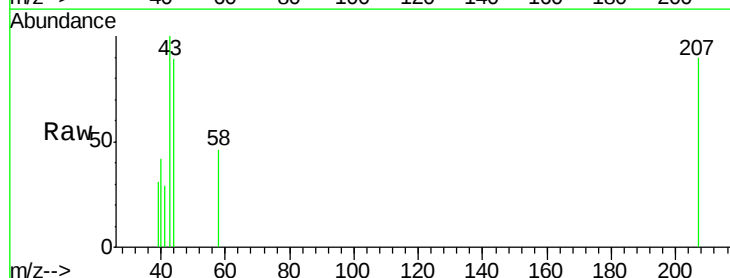
Acq: 12 Dec 2019 13:18

Tgt Ion: 43 Resp: 932

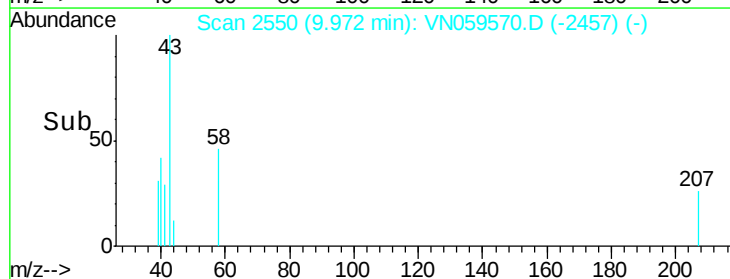
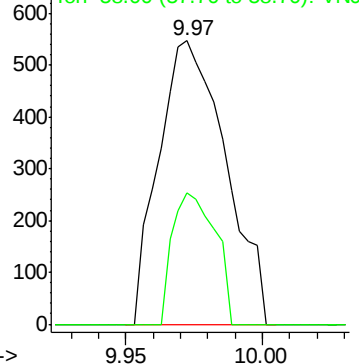
Ion Ratio Lower Upper

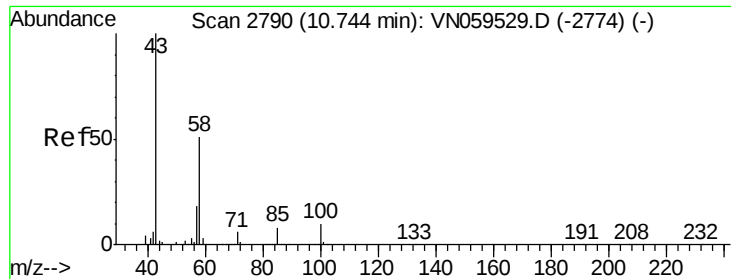
43 100

58 29.6 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-2534) (-)

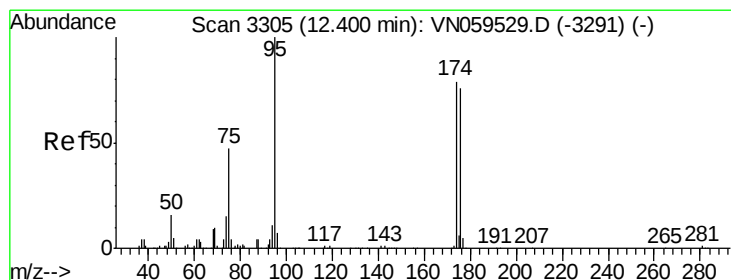
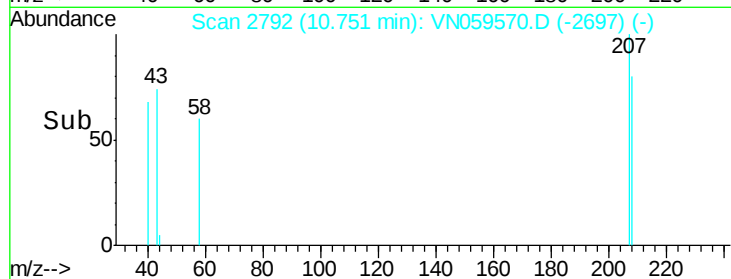
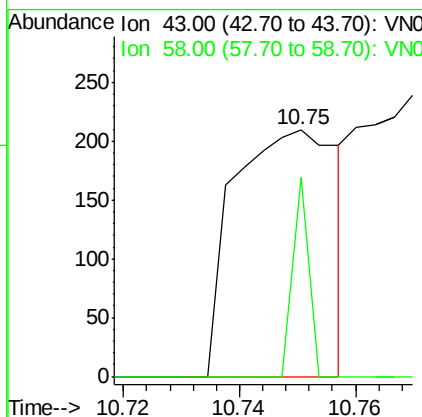
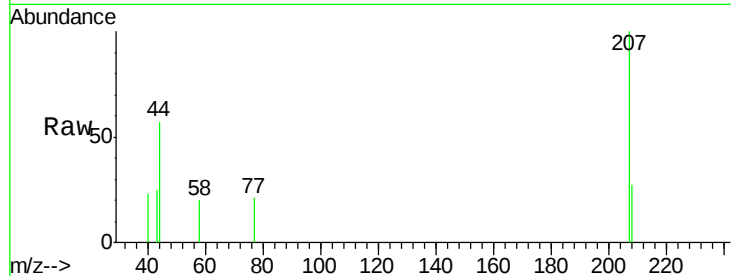




#59
2-Hexanone
Concen: 2.289 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

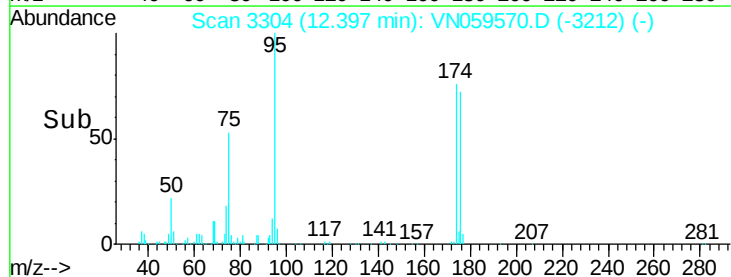
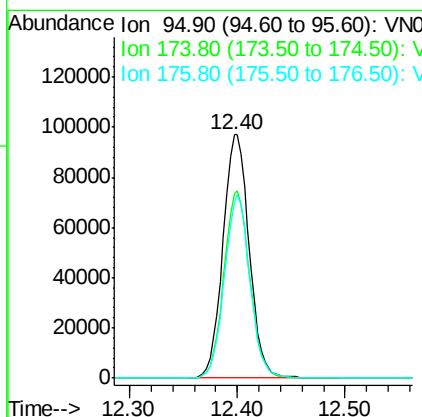
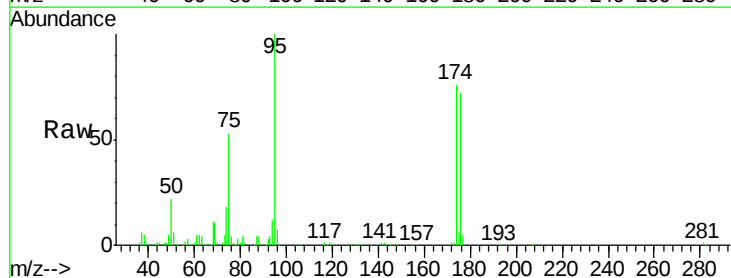
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBL01

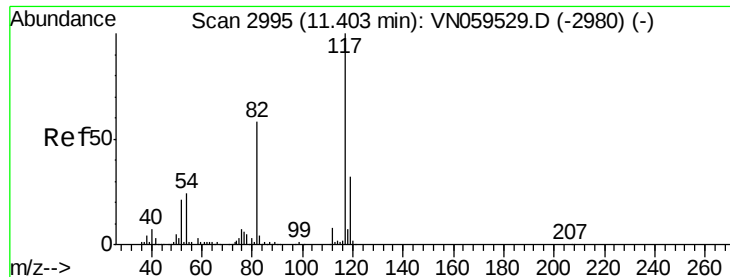
Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
58 12.8 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 45.500 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

Tgt Ion: 95 Resp: 163854
Ion Ratio Lower Upper
95 100
174 76.1 0.0 158.0
176 72.9 0.0 155.4

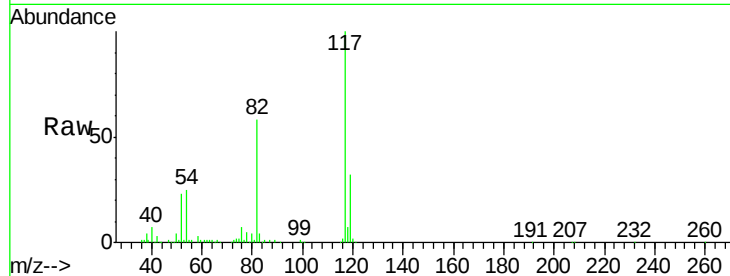




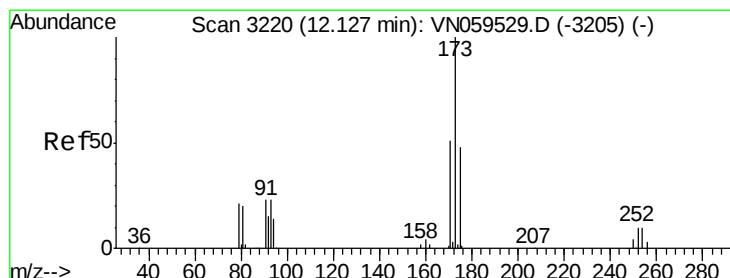
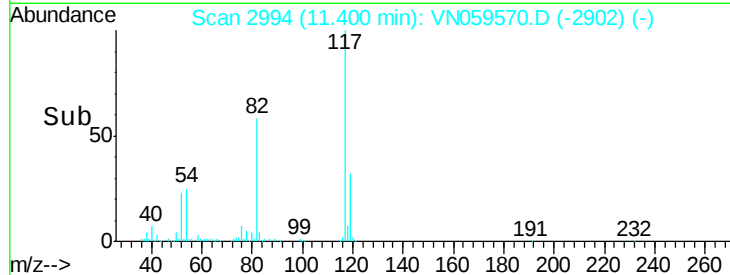
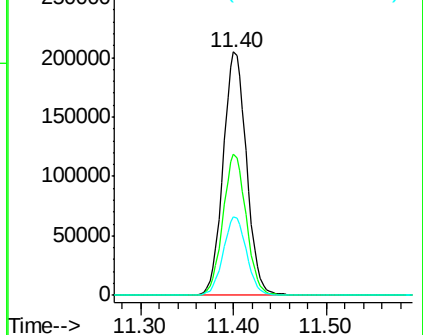
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

Instrument :
MSVOA_N
ClientSampled :
VN1212WBL01

Tgt Ion:117 Resp: 357686
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 32.3 25.2 37.8

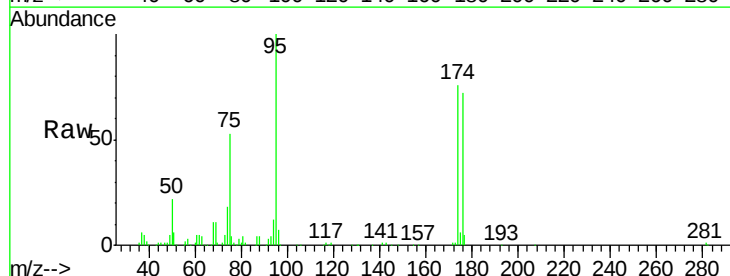


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

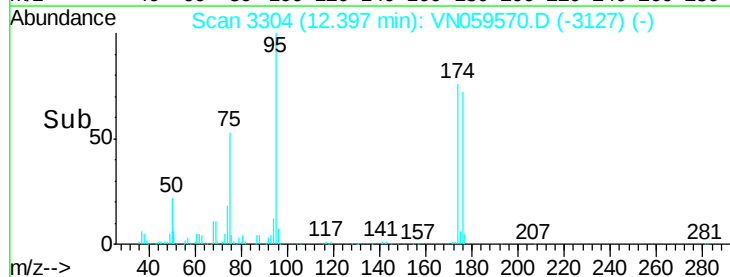
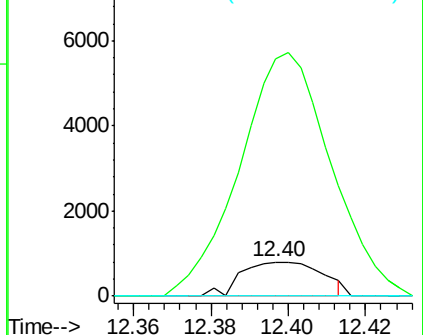


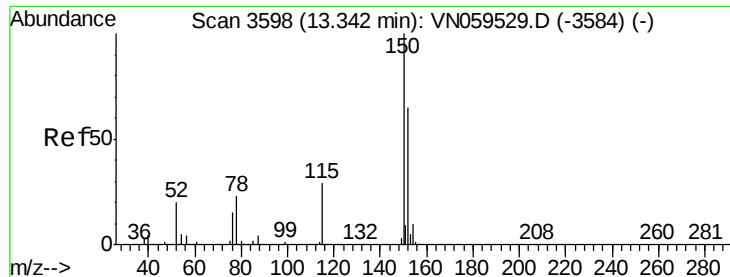
#71
Bromoform
Concen: 0.532 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN059570.D
Acq: 12 Dec 2019 13:18

Tgt Ion:173 Resp: 1171
Ion Ratio Lower Upper
173 100
175 731.4 24.1 72.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBL01

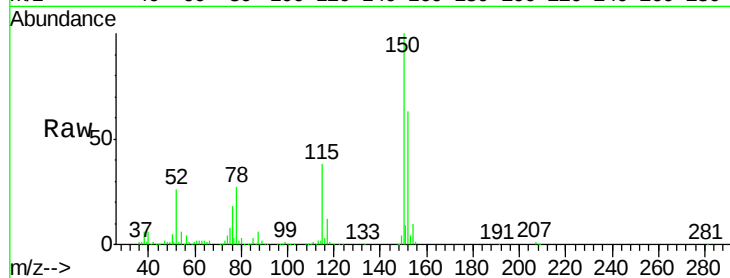
Tgt Ion:152 Resp: 142921

Ion Ratio Lower Upper

152 100

115 60.2 29.4 88.2

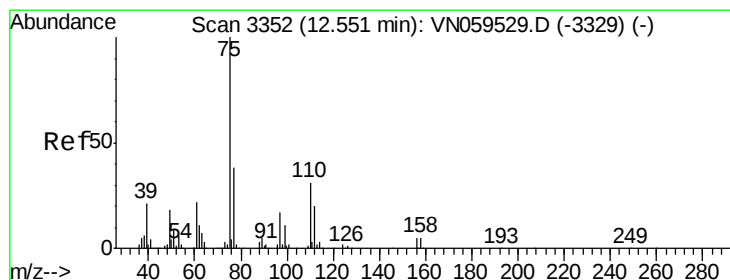
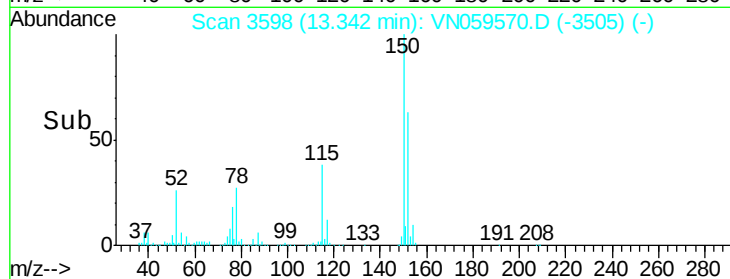
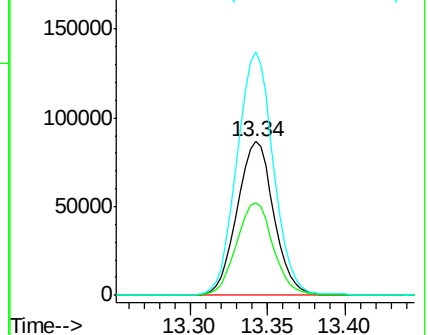
150 157.9 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.582 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059570.D

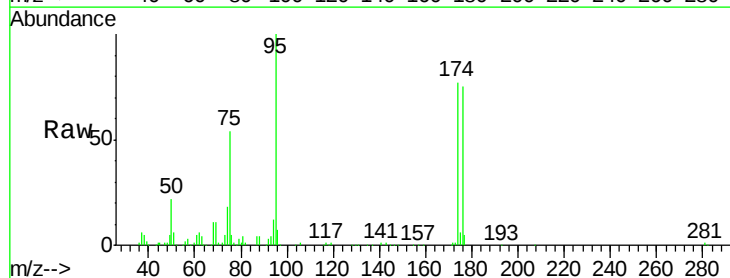
Acq: 12 Dec 2019 13:18

Tgt Ion: 75 Resp: 86188

Ion Ratio Lower Upper

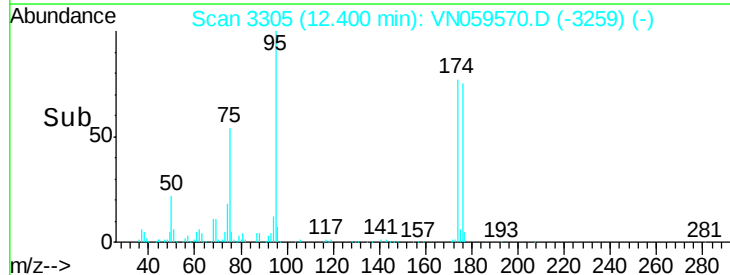
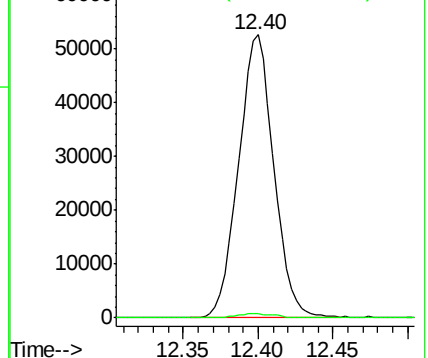
75 100

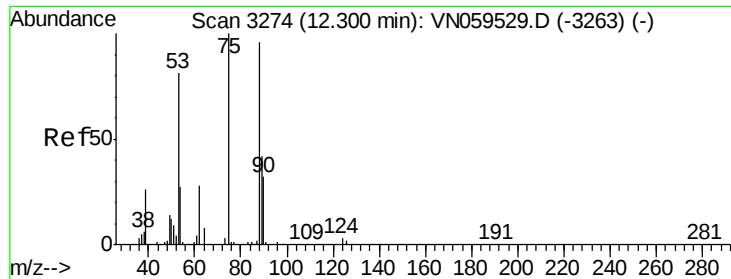
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 63.447 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBL01

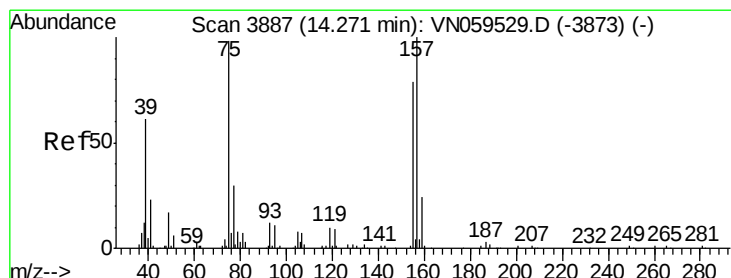
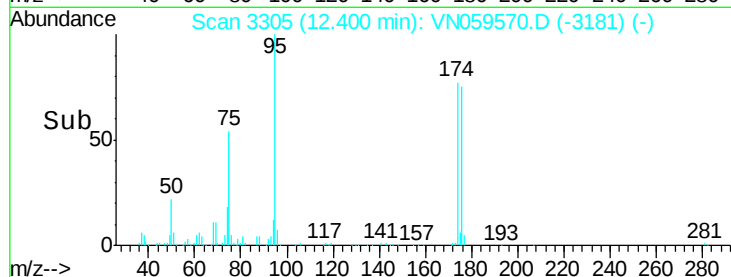
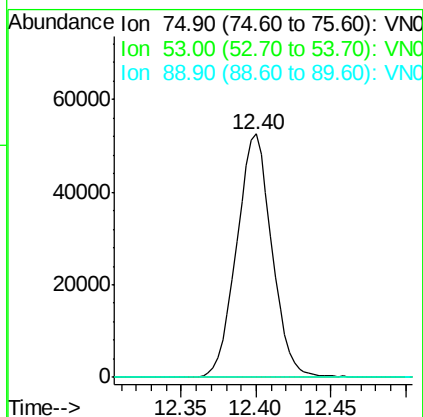
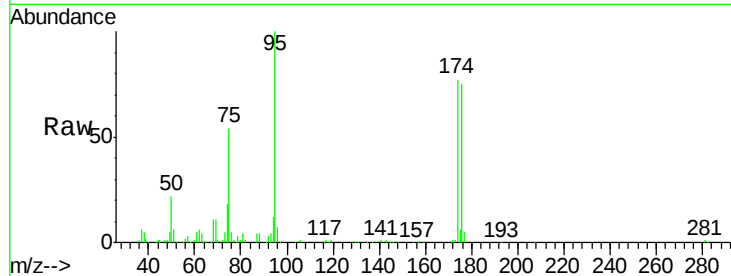
Tgt Ion: 75 Resp: 86188

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

89 0.0 35.5 53.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.228 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.01 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

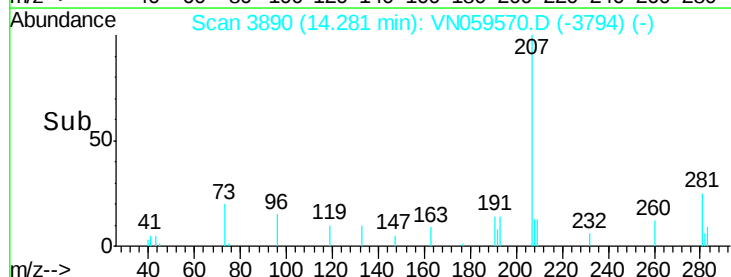
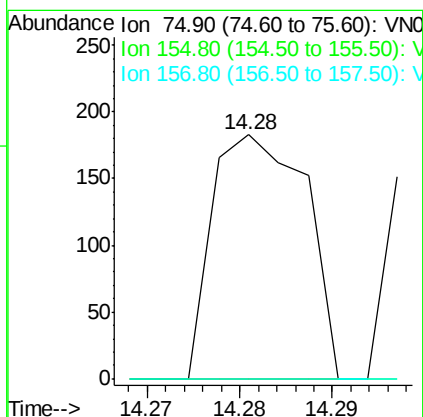
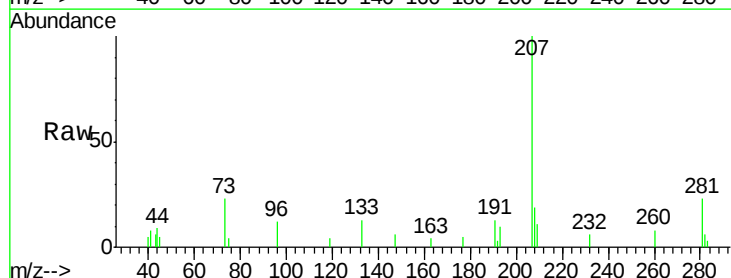
Tgt Ion: 75 Resp: 128

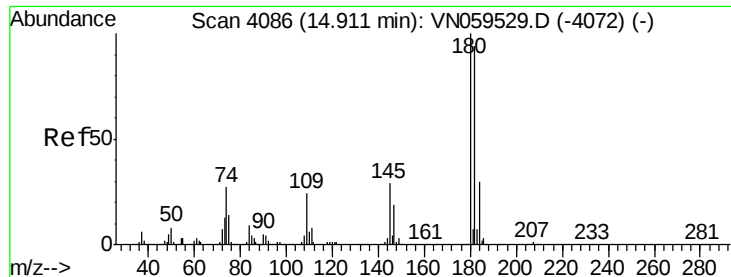
Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.1#

157 0.0 51.1 153.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.216 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBL01

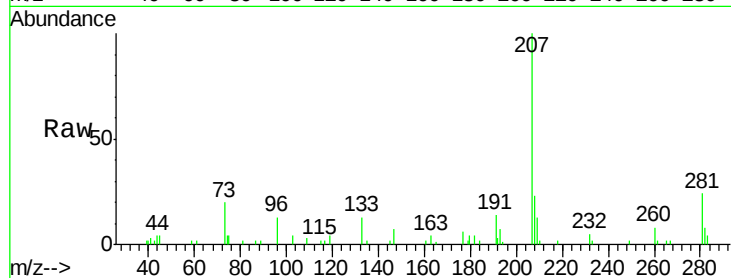
Tgt Ion:180 Resp: 690

Ion Ratio Lower Upper

180 100

182 89.3 47.3 142.0

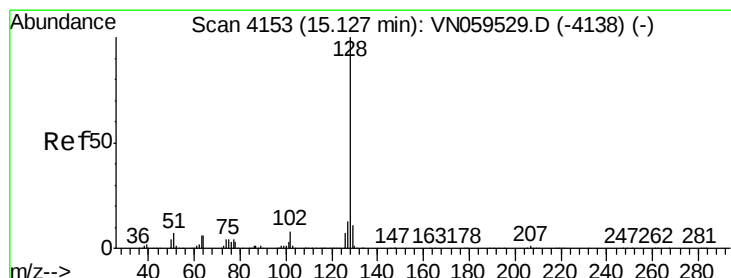
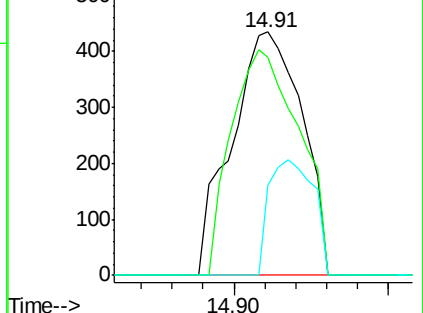
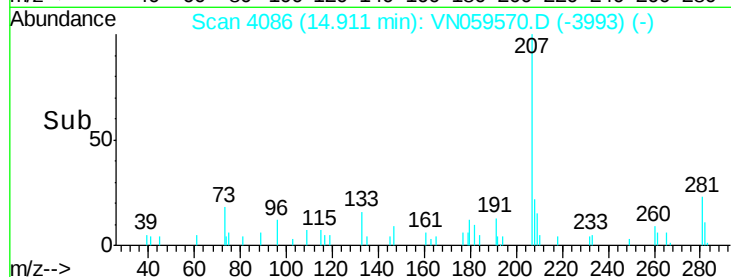
145 30.0 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 0.310 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059570.D

Acq: 12 Dec 2019 13:18

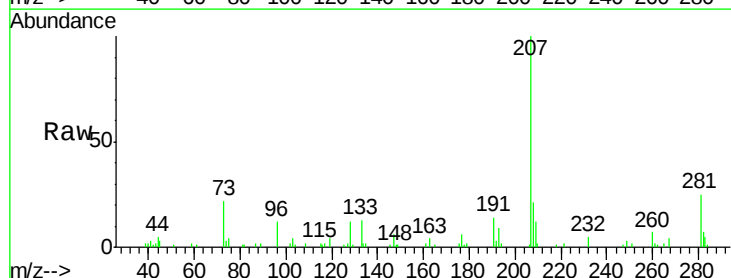
Tgt Ion:128 Resp: 2896

Ion Ratio Lower Upper

128 100

127 7.8 10.2 15.4#

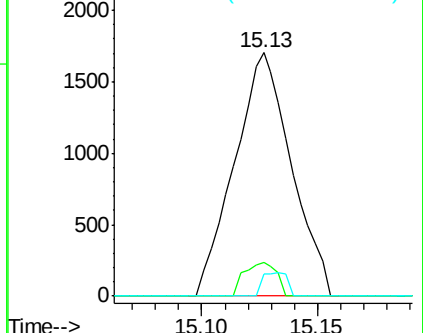
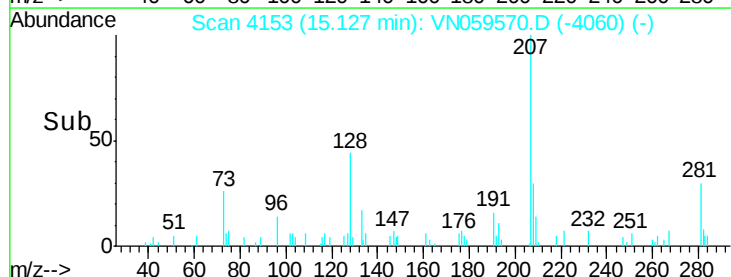
129 4.3 8.6 13.0#

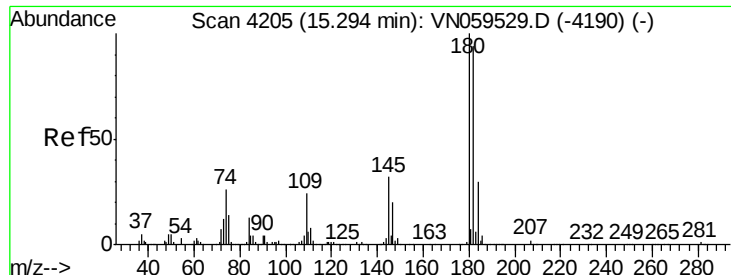


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.701 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN059570.D
 Acq: 12 Dec 2019 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.4	47.1	141.4
145	63.0	15.8	47.4

